

The Milwaukee Radio Amateurs' Club, Inc.

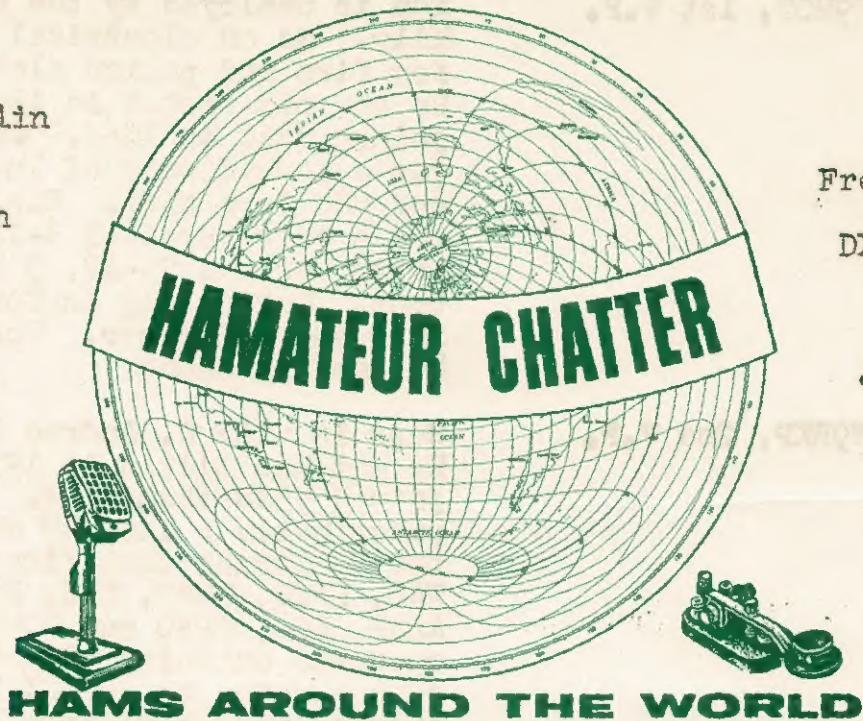
The World's Oldest Continuously Active Radio Amateur Club

Fred H. Zolin
W9ONY
Editor
"Ink" Bowen
W9QYW
Publisher

8th ISSUE

Fred Borchardt
W9DYG
DX Editor

J U N E
1958



PUBLISHED PERIODICALLY BY MRAC IN THE INTEREST OF OUR MEMBERSHIP
AND AMATEUR RADIO

*
Address all correspondence relative to this Bulleting to Fred H.
Zolin, W9ONY, 2443 N. Cramer St., Milwaukee 11, Wis.

* *

OUR NEW PRESIDENT

"Doug" Pavek was unanimously elected president for the 1958-59 season and installed at the last meeting held May 29th.

He is employed at the Square "D" Company in the capacity of engineer.

"Doug", a very active ham on the air, is one of the top-notchers in this area for DX work. He holds the DXCC, DXCC-Phone, WAC, WAS, and is waiting for his WAZ Certificate. He was chairman of the DX Division of the ARRL Convention held in Chicago. His services to MRAC have been many and his creations of new ideas has helped the club tremendously. "Doug" works phone or CW on 10, 15, 20, 40 and 80 with his 900 watt rig. He got his ticket in 1948 and joined MRAC that year.

The prestige of MRAC will be greatly enhanced by having "Doug" as president.

(See list of other officers on next page)

NEW OFFICERS AND DIRECTORS FOR 1958-59

Ken Eggert, W9MOT, 1st V.P.

Ken is employed by the City of Milw., as an electrical engineer for fire and police alarm system. He got his ticket in 1951 and joined MRAC in 1948. In 1952 he got a Certificate of Public Service and HCC from ARRL. His home rig has a pair parallel 4-125as, 700 watts, recvr. 75-A2, 3 El tri-band beam. Mobile rig is Conset G77 xmtr and G55 recvr. Works 10 thru 80, mostly phone.

Russ Burss, W9RKP, 2nd V.P.

Russ is with H. Andrae Electric Co. He got his ticket in 1934 and joined MRAC that year. He is practically a 100% CW man and holds the following certificates: WAS, WAC, DXCC, WAVE, WFR, KZ25, OTC, ALOP, RCC, CP30 and ROWH. Russ operates outgoing "DX" QSL Bureau as a service to any DX ham. His station is a home brew VFO 6L6, 807 PP 4E27's, runs between 400 and 500 watts and works 10 to 80.

"Ink" Bowen, W9QYW, Secretary

"Ink" is a buyer with Milwaukee Electronics. He got his ticket in 1950 and joined MRAC in 1956. He holds a DXCC. His rig is a Navigator, PR 811A 75A2 Nosley Tri Band and runs about 450 watts. Works 10 to 80 both CW and phone.

Charlie Dawson, W9CUW, Treasurer

He is employed with the Wisconsin Telephone Co. as Staff Supervisor, Special Services. Charlie got his ticket in 1939 and joined MRAC in 1946. He holds the following certificates: RCC, Wouff-Hong and CP 25-WFM. Runs 75 watts with home brew rig on 20 meters, CW and fone with his 10-meter mobile rig. This is his 3rd year as treasurer.

Dick Oberholtzer, W9ZPV
Chairman of the Board

Dick is District Manager for Kennametal, Inc. He got his ticket in 1936 and joined the club in 1953. He holds Ragchewers Certificate and Wouff-Hong. He has a Ranger, PR 5514s DX100 and works 10-80 on phone.

NEW OFFICERS AND DIRECTORS, Continued

Charlie Porch, K9EMB, Director

Charlie is Assistant Dist. Mgr. with Factory Mutual Engineering Division. He got his ticket in 1941, his call being W3JKP at that time and joined MRAC in 1956. He has WAS and CP25 Certificates. His xmtr is home made VFO-813, recvr NC300 and works 10, 20, 15 and 40 on CW.

Fred Borcherdt, W9DYG, Director

Fred is a painting contractor. He got his ticket in 1948 and joined the club in 1955. He holds DXCC, WAC and WAS. His rig is a Viking 2 and VFO and 75A-2 recvr. He works CW 10 to 80 and is on NCS and WIN nets. Fred has done exceptionally good work in national contests for MRAC.

Al Belanger, W9MDG, Director

Al is an engineer for the Wisconsin Telephone Co. He got his ticket in 1935 and joined MRAC in 1946. He holds 1st class phone license and advance ticket in amateur. He runs 300 watts, 813 in final and works 10, 20 and 75 fone and CW.

Ray Peschek, W9LJU, Director

Ray is with the Wisconsin Telephone Co. as supervisor foreman. He got his ticket in 1923 and joined MRAC in 1927. He holds WAC, RCC and WAS Certificates. He has held all offices in the club. His rig is a VFO 6AG6, 6L6, 813-modulator and works both fone and CW on 10, 20, 40 and 80.

Johnny Scarvaci, W9GIL, Director

Johnny is owner of the Lincoln Printing Co. He got his ticket in 1928 and joined MRAC in 1929. Holds the following certificates: WAC, WAS, DXCC and is waiting for his WAZ. He has a Viking Ranger PP4-250As, 75A4 recvr and a 3-element tri band beam. Works both fone and CW.

Fred Zolin, W9ONY, Director

Fred is Assistant Operations Chief with Western Union Telegraph Co. He has been on the air since 1910 before licenses were issued. Wireless operator on United Fruit ships out of New Orleans. He joined MRAC in 1940 and is Editor of Hamateur Chatter. Works only mobile now-rig consists of Harvey Wells TBS 50-D. Gonsen super-6 converter, fone or CW on 10, 15, 40 or 75, prefers 15.

10 METER CONTEST

On May 23rd, between 10:00 P.M. and 11:00 P.M., MRAC held another 10-meter contest. The following tabulations are the results:

W9RKP	First	560 Points
W9YZG	Second	532 Points
W9FDX	Third	520 Points
W9HAJ/M	First Mobile	504 Points
W9MOT/M	Second Mobile	432 Points

* * * *

MRAC MOBILERS ASSIST IN PARADE

The annual request by the U.S. Army for help in the Armed Forces Day Parade was fulfilled by our mobiles. Dick Sanborn, W9FTE, acted as control and chairman of the parade group and was stationed at the reviewing stand in front of the U.S. Post Office, Federal Building. Other members who assisted were, W9TKY, W9OPS and K9GSO.

* * * *

ON THE GO AGAIN

Many of you, especially the DX'ers, remember WØELA, Clyde Norton, who created the expedition to Brunei, Borneo, sometime ago and was guest speaker at MRAC. He is Communications Manager for Northwest Airways and lives in Minneapolis. I'm liable to get a card from him from almost any country in the world. I just received a card from him and his XYL, Miriam, from Rome, Italy:

"Greetings from Rome - We are leaving in a few minutes for Paris. Spent 10 wonderful days in Portugal, 4 in Madrid and 4 here in Italy. After Paris we are going to the Brussel's Fair. Have met many DX hams who I QSO'd from home. What a trip this has been*****"

(We'll hear more from Clyde later)

* * * *

OFFICIAL BULLETIN NR 657 FROM ARRL HQTRS

The FCC Public Notice of December 21, 1950 and as since revised, in compliance with U.S. Treaty Obligations, cautions FCC Licensed Amateurs not to communicate with stations in Cambodia, Indonesia, Iran and Vietnam. Prefixes to be avoided are F18, XU, PK, EP, EQ, XV 3W and YB to YH.

* * * *

IN MEMORIUM

MRAC regrets the passing away of Harvey A. Pfeifer, W9STP and wishes to extend its sympathy to his family. Harvey was laid to rest at Valhalla Cemetery, Monday, June 16th.

"HAM" RADIO AT THE BRUSSEL'S FAIR
BY "ON4IB"
(Foreign Correspondent)

The UBA (Union of the Belgian Amateur Transmitters) are operating an amateur radio station at the Brussel's World Fair - the call is ON4UB. Its location is EXPO 58, Palais des Telecommunications, Esplanade, Brussels. The station is manned daily from 9 GMT to 2300 GMT and any member of UBA may act as operator. Bands worked are 10, 15, 20, 40 and 75. Input power is 300 watts. The rig is as follows:

<u>RF Section</u>	<u>Modulator</u>
6C4 VFO oscillator stabilized by VR150	6SJ7 xtal mike amplifier
6AU6 Class A amplifier	6&5 voltage amplifier
6AK6 buffer and frequency doubler for 28 mегс	2 x 6J5 push-pull drivers
6AG7 xtal oscillator and frequency doubler	2 x 6L6 Class AB1 drivers
8C7 driver and frequency doubler	2 x TZ40 push-pull Class B
2 x 814 power amplifier final	plate and screen modulation
6L6 clamp tube in parallel with screen grids of the 814's	in both 814's

* * * * *

WAUSAU HAMFEST - 1958
(W9GPI)

This year's renewal of the Wisconsin Valley Radio Association's Hamfest at Wausau was not only the largest from an attendance point, but also reached new highs in interest and entertainment.

Section meetings held by Woida, our SCM; and Horton, our SEC developed unusually high attendance with the SSB session running to an overflow crowd. DXCC attracted the largest group ever to attend this activity--it would appear that Wisconsin has some real champions in this field with our old friend Butch, W9EWC of Hilbert, making some real good records--as well as excellent cheese.

"Quietrol" Johnny La Blond did his usual outstanding job as M.C. and Prize-Awarder. While the Milwaukee Gang fared badly in the winnings, it was great fun to witness the reactions of some of the lucky ones who grabbed off the principle prizes--our good SCM wound up with a Viking 2 (compliments of Wendell W9SYT) and the youngster who carried home the SX100 RX (compliments of Steve and Terry of Amateur Electronics).

The prize list would surely have done credit to any Division Convention with all of our Badger Distributors doing themselves proud. Your reporter MISSED by one number on the "Big Bill" Uhalt's (Satterfields-Madison) National RX.

"Marry" Mead and his committee did a marvelous job--things moved real smoothly and all in all the time passed so quickly that everyone had the impression that the Hamfest had just started when dinner was served.

It would be a major oversight if we passed up the good ladies of St. Therese who prepared and served the excellent turkey dinner. Well over 500 sat down and were served in exactly 45 minutes, with everything piping hot, done to a turn and ALL THAT ANYONE COULD EAT. A real pro job--very well done.

WAUSAU HAMFEST, Continued

We'll all be looking for a roneval of Wausau in the future and next time we can only hope that the JAYCEE'S are in Kenosha or some other city--what a noisy bunch and we thought "hams" created all the QRM. We just can't hold a candle--those people NEVER sleep.

* * * * *

TRANSOCEANIC CABLES UNUSUAL PROGRAM

We are thankful to the Wisconsin Telephone Company for giving us Richard Wagner, one of their engineers, who presented a most interesting talk on "Transoceanic Cables". Slides were shown of the repeaters used and their characteristics explained. Colored moving pictures portrayed the cable ship lowering the cables from start to finish. Mr Wagner also had actual cutaway sections of the various types of cables used. His program provided new knowledge in communications for the membership.

* * * * *

HAMFESTERS TO HOLD PICNIC

Hamfesters Radio Club will hold their 24th annual picnic and mobile meet Sunday, August 10th at Santa Fe Park, 91st and Wolf Road. Some of the prizes are as follows: 1st prize-SX101 Mark III, 2nd prize-WRL's Sidebander DSB100 and grounded grid Linear Amplifier LA-1 3rd prize-SX99 and many others. You'll have a good time at only \$1.00 per ticket. Go south on Highway 45 to Highway 66 near LaGrange and turn west after 2 stop lights to Wolf Road, 3 blocks south. Winners need not be there.

* * * * *

HANDICAPPED HAMS

From time to time at club meetings, your attention has been called regarding the less fortunate of our brethren. Some of you have helped them in the construction of rigs and even erected antennas. Others have visited these fellow hams at their homes or in the hospitals to give them solace and boost their morale.

Listen to this one--On March 24th at about 8:00 P.M., Ray, W9LJU was "eavesdropping" on a QSO between HK5CR and W9GHK located in Indiana.

Juan, HK5CR, in Colombia, South America, sent the usual signal report, QTH and rig layout with a rather "eratic fist". He begged to be excused for his poor sending and went on to say----about six months ago he had the misfortune to contact a 13,200 volt high tension line. The result, his left arm is now badly crippled and his right hand had to be amputated above the wrist. He explained that he was keying the rig with his right arm.

THIS SHOULD MAKE US STOP AND THINK HOW FORTUNATE WE ARE AND THE IMPORTANCE OF ALWAYS BEING SAFETY CONSCIOUS, ESPECIALLY AROUND THE POWER SUPPLY OF THE HAM RIG.

MRAC WELCOMES DALE ENGLER, K9GHT

For those of you who do not know Dale, read the Milwaukee Sentinel, Saturday, May 31st, captioned "RADIO HAM IN IRON LUNG GIRDS WORLD". He is now a member of MRAC and we hope many of our members will go out to see him at Wood, Room 119, Ward 9 North.

With his Morrow xmtr and SX100 and cubical quad antenna, he manages to work out pretty good. He has over 40 countries to his credit. You'll find him mostly on 10 and 15.

When Dale isn't operating he's working on contest solutions which he has been very successful with. His winnings have been too numerous to mention, but some of the big things were, a TV set, a record player mikes and the big win was his SX100 which he won by submitting the best slogan in a national contest by Hallicrafter and conducted locally through Amateur Electronic Supply, 3217 W. North Avenue.

We want to thank the personnel at Wood for their generous consideration for Dale, as it is surely appreciated.

* * * * *

STATISTICS ON MEMBERSHIP

Treasurer Dawson gives us the following tally on members:

Regular and Associate	140
Student	26
Non-Resident	16
New Members - Regular and Associate	25
New Members - Student	11
Life Members	25
TOTAL	243

LET'S MAKE IT 300 FOR 1959

* * * * *

A GOOD DXCC PROSPECT

Frank Stelloh, K9EUZ, 1618 E. Menlo Blvd., (15 yrs. old) started out as a novice a year and a half ago, using a DX35 and an S38-D. It didn't take him long to get his general and at the present time he is pushing out a KILOWATT with the following rig: HT32 Hallicrafter SSB exciter into a pair of Eimac 4-250 A's in push-pull, working 75 through 15 meters on CW and SSB. His recvr is a SX100. He maintains an "Antenna Farm" of: 3 el 15 meter beam, a stationary 2 el wire beam on 20 meters, a 75 and 40 meter doublet. Frank can send 20 WPM and receive 25 WPM. He has earned a WAS and WAC. He is a sophomore at Shorewood High School and loves to experiment in theoretical electronics. His recent project is an anylog tick-tac-toe computer with which he has worked 76 countries and received 51 confirmations.

* * * * *

NOTICE TO DX'ERS

For you DX'ers, be sure to read the DX Column in June QST - note the many alterations in the South Atlantic, concerned principally with VP call signs, also note the relaxing of certain "Third Party" prohibitions.

NEWSCLIPPING NIGHT

The older members of MRAC had a good time reminiscing when newspaper clippings were displayed at the March 27th Meeting. Historian Emil Felber, W9RH, produced old FCC licenses, QSL cards and club event folders dating over 30 years old. Mary Meyer, W9RUJ, talked on the YL publicity and the progress the ladies had made in ham radio. Doug Pavek, W9FDX, originator of the program, displayed many newspaper clippings of stories in DX work. Fred Zolin, W9ONY, displayed press items and pictures of many of the important events conducted by MRAC, such as the 32nd Division Parade, Sports Car Races at Elkhart Lake, General MacArthur's Mobilcade and the Schultz boy, leukemia victim. Large displays of newspaper clippings were displayed in racks.

* * * * *

GOOD LUCK, LEW

Lew McCoy, WIICP, of the ARRL technical staff, a great favorite in this division, will be going in for an operation to completely remove his injured eye. Specialists have advised this after the eye failed to respond to treatment carried on since he was injured by a pistol explosion in February 1957.

* * * * *

DOCKET #12160

FCC Docket #12160 will become part of AMATEUR REGULATIONS on June 24, 1958. This regulation covers the giving of fewer notices to district engineers of FCC by amateurs operating portable or mobile. The full text of the regulation is given in QST for November 1957, Page 68.

* * * * *

COMING ARRL CONVENTION

The 10th National ARRL Convention will be held at Washington, D.C., August 15th, 16th and 17th and has been purposely designed to attract a large attendance of youngsters. This is one affair that the family can have as much fun as the O.M. Besides visiting places and seeing things that are educational, you will NEVER make the trip at a less expense.

* * * * *

WATCH FOR HIM

Jack Bock--ex W9KCY, is now W50VE, Lake Charles, La. He works 20 and is on the prowl for Milwaukee contacts. Jack owns and operates AIR-SEA Radio Service in the Gulf area.

RETIRING PRESIDENT WRITES

Dear Members of MRAC:

It has been a great pleasure to serve as your president for the past year because you have elected a Board of Directors that were enthusiastic and aggressive. This year I feel that we have made strides toward the goal of giving everyone in the club something that he or she wanted whether it be information or enjoyment sometime during the year. Each member of the board has participated to the fullest extent of his ability to promote this idea.

Our programs have been good all year, tanks to W9VD. Membership has grown with new members of quality, thanks to W9FDX. Our treasurer has kept accurate records and has done a good job on our membership book, this was W9CUW. Another real workout is our secretary's job, W9JCK, recording minutes, writing letters, publishing Hamateur Chatter, etc. W9ONY, as the Editor of Hamateur Chatter and board member has also done a terrific job. This paper was his idea to start it again and he carried the load. W9DYG, as Chairman of DX and ARRL Activities has not only had one of our largest committees but has spark plugged contests, one of which put us in fourth place in the Sweepstakes. Our mobile chairman has also done a fine job, W9YFW. W9GIL, W9MOT, W9MDG have also carried out every job they have been assigned without fail.

How could a president fail with such a team behind him. The club has taken part in working with the Boy's Club through W9FTE, teaching classes in radio through W9EPO, worked Civilian Defense Drills through W9RUF, established high school clubs at Bay View by W9GPI, and Brookfield in part W9IWD. Local contests are becoming more popular through W9QYW, Field Day W9UDK and Award Committee, W9PQA. A real tough job has been done well by W9VBZ on TVI Committee. He asked for the job and did it well. A real bang up party by Ed Buchholz, Sr. In fact everyone has done their part to make this year an outstanding one.

Next year should be even better with the outstanding nominees that are about to be elected for each office and board members. REMEMBER, IF YOU WANT TO BE IN THE CLIQUE, YOU HAVE TO EXPRESS YOUR DESIRE, as the article read in my first letter in Hamateur Chatter.

(Dick W9ZPV)

* * * * *

PLUG WISCONSIN

Supplies in the way of request cards are again available for the "TALK WISCONSIN" Program. Get in on this. Boost our state, attract HAM visitors to vacationland and give your contacts something to remember you by.

* * * * *

(Signed)

OFFICIAL BULLETIN NR 656 FROM ARRL HQTRS

Observations on the signals of the Sputnik now transmitting on 20 Mc are wanted. Interested amateurs are invited to read "Opportunity for Amateur Participation in IGY Satellite Program", Page 32 of March QST. Instructions and report forms are available from ARRL Headquarters.

In line with the above, Hamateur Chatter is reprinting below additional information taken from "ELectRONICS":

HAMS CAN AID IN SPACE STUDY

by Whitney Matthews

U.S. Naval Research Laboratory, Washington, D.C.

RADIO AMATEURS can make a contribution to IGY by monitoring and recording telemetry signals from the Vanguard Lyman-alpha environmental satellite. In the event of a short-lived satellite or recordings made during solar flares, such records could be very important.

Transmissions are made at the upper end of the f-m broadcast band. High-fidelity f-m tuners could be readily adapted to receive these signals by the addition of a simple a-m detector preceding the limiter stage. Antennas for fringe-area reception should provide adequate gain.

Many high-fidelity home tape recorders are capable of acceptably recording most of the signals. Stereophonic home recording equipment with one track recording the satellite signal would be most desirable. The second track would contain a simultaneously recorded timing signal of 19 kc or a regularly broadcast WW time signal, including one time announcement. Tape recordings should be made at the highest recording speed available.

The signal from the satellite will consist of a series of high frequency (5 to 15 kc) bursts carrying information with the frequency during bursts, duration of the bursts and duration of intervals between bursts. A total sequence of 16 such bursts and spaces will present 48 pieces of information. Data contained in the transmissions is shown in Table I.

The satellite will measure ultra-violet radiation in the Lyman-alpha region of the solar spectrum. Associated with the Lyman-alpha experiment will be a silicon solar cell to determine aspect of the satellite with respect to the sun.

Satellite temperature will be measured at three points: the outer shell near the equator, the outer shell near one pole of the sphere and the internal instrumentation compartment. Differential pressure between zones within the satellite will also be monitored.

Surface erosion from collisions between the satellite and particles in space will be studied with small gages attached to the outer skin, two near the pole and one near the equator. A cadmium-sulfide photo-resistive cell covered by an opaque layer is also used for erosion measurement. Particles that puncture the thin layer permit sun to reach the sensitive element. Microphones will also be mounted on the outer skin to detect impact of particles.

Complete scans of all channels will be made at a rate of three to four scans per second, depending on the input values to the time-duration channels.

(cont'd)

HAMS CAN AID IN SPACE STUDY, Cont'd.

To be useful, each amateur recording of the satellite signal must be accompanied by the following information: the date on which the recording was made, exact location from which made, equipment used, tape speed, number of recording channels and their use and name and address of observer, if he wishes the tapes and the interpretation to be returned. All correspondence relative to organized plans to record satellite signals or available tapes should be directed to CODE 4105, U.S. Naval Research Laboratory, Washington, D.C.

TABLE 1 - Satellite Telemetry Channel Assignments

Channel	Frequency	Burst Duration	Interval Duration
A	Lyman-alpha	Polar erosion A	Battery volts
B	Solar aspect	Pressure	Short calibrate
A	Lyman-alpha	Polar erosion A	Battery volts
B	Solar aspect	Pressure	Short calibrate
A	Lyman-alpha	Polar erosion A	Battery volts
B	Solar aspect	Pressure	Short calibrate
C	Meteor-count, 1's	Long calibrate	Battery volts
D	Meteor-count, 10's	Package temp.	Polar skin temp.
A	Lyman-alpha	Polar erosion A	Battery volts
B	Solar aspect	Pressure	Short calibrate
A	Lyman-alpha	Polar erosion A.	Battery volts
B	Solar aspect	Pressure	Short calibrate
A	Lyman-alpha	Polar erosion A	Battery volts
B	Solar aspect	Pressure	Short calibrate
E	Meteor count 100's	Polar erosion B	Equator skin temp.
F	Peak Lyman-alpha	Equator erosion	Cadmium-sulfide cell

* * * * *

COMPARISON OF SATELLITES

	<u>SPUTNIK I</u>	<u>SPUTNIK II</u>	<u>SPUTNIK III</u>	<u>EXPLORER I</u>
Weight	184 lbs.	1,120 lbs.	2,925.53 lbs.	30.8 lbs.
Length	23 inches	about 14 ft.	11 ft. 8 $\frac{1}{2}$ in.	80 inches
Diameter	23 inches	Unknown	5 ft. 8 $\frac{1}{2}$ in.	6 inches
Orbit	170-580 mi.	150-1200 mi..	150-1168 mi.	227-1575 mi.
Orbit Time	96.2 min.	103.52 min.	106 min.	115 min.
Shape	ball with tube	Tube	Conical	Tube
Lifetime	3 months	5 1.2 mos.	6 months	5-10 years

	<u>EXPLORER III</u>	<u>VANGUARD I</u>
Weight	31 lbs.	3 $\frac{1}{2}$ lbs.
Length	80 inches	6.4 inches
Diameter	6 inches	6.4 inches
Orbit	117-1740 mi.	400-2500 mi.
Orbit Time	115.7 min.	134 min.
Shape	Tube	Ball plus tube
Lifetime	4-6 mos.	200 years

HERE'S THE LOW-DOWN ON WILLE K5CWI/W9EKU

Dear Fred,

Your letter of the 5th was received yesterday, and was appreciated very much. I had been planning to write you a long letter and thought I had better get at it today now that I had your letter.

I guess a few of you at MRAC knew that my marriage was forthcoming, but no one knew exactly when it was to occur (including me). When I was out in Burbank last month, all finally was ready and the marriage was performed. A good friend of mine who used to work for Federal (and his wife) stood up for us. After the wedding, we visited the Wolleagers (W9AMA). We then had dinner at the Queen's Arms in Encino, and stopped at Don-the-Beachcombers in Hollywood.

Carol used to work for Don-the Beachcomber in Waikiki (Hawaii). That is where I met her. Due to personal ties in the Islands, she couldn't get over here sooner. I will send you some pictures eventually. Perhaps I will see you at the ARRL National in Washington in August. I should be here thru mid-August.

Now, why I am in Maryland. Well, as you may or may not know, Collins let me off after I returned to Dallas in January. I then was in Milwaukee for about a month trying to decide which job offer to accept. I finally decided on Page Communications Engineers in Washington D.C. After being there a short time the opportunity arose to rejoin Collins in Burbank. That is my base of operations now. Burbank has lots of work now that it didn't have four months ago.

I am on an operational test of the same Kineplex (teletype-writer multiplex) that I was working with in Hawaii last year. This time we will be transmitting 16 channels with frequency diversity for the Navy. They will have a ship in the Mediterranean area that will carry the signal in comparison with standard Navy FOX Broadcast. We will transmit on a 24 hour basis with four regular operators from Burbank and myself as supervisor. Two Collins people will be on the ship.

Books like we will be running more tests of Kineplex in the Pacific area soon, and I (we) may get the chance to return to Hawaii for while later this year or next year. Present plans involve tests from Japan to Hawaii, and also Hawaii to Fort Monmouth (again). Also tests are being scheduled from Washington D.C. to North Africa. These are all military test circuits.

There are quite a few other tests going on right now, and in the future, of other phases of Collins data transmission equipment. Kineplex is only one part of the data system.

I am presently installing my KWM-1 year in the Porsche. I finally got the Porsche on the Tuesday after Easter. One big problem has been that the KWM power supply is 12 volts input, and the car is 6 volts. A dual battery system is being used. The antenna being used is a bit of a problem, but I think I may have this solved. It will make a nice neat installation.

(Cont'd.)

LOW-DOWN ON K5CWM/W9EKU Cont'd.

I am presently trying to get the KWM on the air fixed, but have had little luck loading the "piece of wire" I strung up for an antenna. Think I may work out something using the Heliwhip. Hear lots of the Milwaukee gang on 15 SSB in the morning.

We have a nice house on the Chesapeake Bay edge, at a point called "Bay Head", about 8 miles from Annapolis. There was really little choice in living quarters, as this is a resort area. But we did not do too badly. Rent is sort of high, however.

Carol is sort of interested in Ham radio. At one time she was studying the code (while in the Islands), but I don't know if she will ever get her ticket. I will keep working on her, when I get more time. Right now things are pretty hectic between work and getting the mobile gear installed.

So that is about it from here, Fred. Say hello to Florence for me, and to the whole gang in Milwaukee. If you should get out this way during the Summer, let me know ahead of time and then stop in for a visit. Or, maybe see you in D.C. in August.

73,

/s/ Gene

/t/ EUGENE A. WILLE, K5CWM/W9EKU

Rt. 2, Box 341-A

Annapolis, Md.

* * * * *

P I C N I C

JULY 27, 1958

KLETSCH PARK - 6600 N. GREEN DAY AVE.

CHAIRMAN: Doug Pavek, W9FDX

REFRESHMENTS: Ken Eggert, W9MOT

GAMES & PRIZES: Frances Thompson - Women's Auxiliary Pres.

REGISTRATION & ID TAGS: Evelyn & Chas. Dawson, W9CUW, Treas.
Shirley & Ink Bowen, W9QYW, Sec'y.

BALL GAME: Doug Pavek, W9FDX

\$1.00 per family - \$1.50 per non-member
All beer served in cans or glasses only!
No buckets or pitchers allowed.
All bottles opened at the stand.

M.R.A.C. - A.R.R.L. ACTIVITIES & DX NEWS

FLASH - Ink Bowen, W9QYW, made 12th MRAC DXCC and Bob Hetzel, W9VQG, confirmed the Century mark on fone only (MRAC's 3rd fone only). Congrats to both of you.

"WATCH FOR"

C.D.S.T.

LORD HOWE ID - Add this country to your ARRL Countries List. VK2FR on Id. VK2AIR going there about July 1st. Watch for him on 34.100 fone/CW.

SE. HELENA - ZD7SA 14.083 several times a week 5 to 7 P.M. Call him 5 to 10 KCP off his freq. up or down. QSL's go to CN8GU.

COLONIES OF BRITISH TERRITORIES - Check Page 97 of June QST for full details and add these countries to ARRL List. Look for VP2AB about 21.207 9 to 11 P.M. and VP2DJ daily on 21 Mc fone 4 to 5:30 PM. Also: Danny VP2VB plans tour of most VP2 islands between July 15th and October 1st!

ALIAS ID - YVØAB - Danny around July 1-3.



"ON THE AIR"

Though summer condx have set in, DX and DXpeditions continue on at fever pitch. 28 Mc has the summer doldrums, but 21 Mc remains fair to real good openings in the morning and occasionally in evenings. 14 Mc continues real hot mornings and most all night. Sorry to report the MRAC gang all missed the very weak VS1NB/VS9 on Maldives, but several of the boys snagged PYØNA on Trinidade Id. His QSO's

go to Box 5292, Rio. Watch for VQ3CF going to VQ1 land this summer and for SM1BVR going to Gotland in July. 9K2AQ's ASL's go via G3FJU. Danny and Yasme III now at KV4AA'S QTH and will probably be on as YVØAB by the time you read this. Fred Zolin W9ONY/M tops the MRAC gang this issue. All freddie did was crank up his 30 wts mobile call a couple of CQ's and have FA9GZ and FL8AC come back on 15 fone! The rest of the DX gang knocked off some real slick DX also, as per follows:

• • • • •

• • • • •

APRIL - MAY & JUNE REPORT - C.D.S.T.-WORKED BY

4/3	ROUMANIA	Y03WL	28.470F	0930	(K9CJK)
4/4	CAYMAN ID	VP5BP	28.405F	0913	(K9CJK)
4/7	NORFOLK ID	VK9AD	14.061CW	0108	W9DYG-K9ENB)
4/9	MARSHALL IDS	KX6AF	28.700F	1540	(K9CJK)
4/10	ST. HELENA	ZD7SA	28 CW	--	W9PQA
4/15	GILBERTS	VRIC	14 CW	--	W9PQA
4/15	PHILLIPPINES	DU7SV	14.195F	0907	(K9CJK)
4/22	SO. RHOD.	ZE2JA	28.470F	1214	(K9CJK)
4/23	COOK IDS	ZKIBS	21 F	--	W9PQA
4/27	EG. SUDAN	ST2AR	21.004CW	--	W9PQA
4/27	MONGOLIA	JT1AA-YL	21.030CW	0915	W9QYW
5/1	MAURITIRES	VQ8AP	14 CW	--	W9PQA
5/3	GUADALOUPE	FG7XE	14.080CW	2123	W9OMZ-KQD)
5/3	PALMYRA	KP6AL	14.010CW	0042	W9QYW
5/2	CHANNEL IDS	GC2FZC	14.065CW	0050	(K9CJK)
5/5	FIJI IDS	VR2DG	14.045CW	0728	W9QYW
5/6	KUWAIT	9K2AQ	14.069CW	2225	W9DYG
5/7	PITCAIRN ID	VR6TC	14.065CW	2335	W9QYW
5/8	SARDINIA	IS1GF	14.047CW	1752	W9DYG
5/8	BOLIVIA	CP1CD	14.015CW	1915	W9QYW
5/9	RHODES	SV0WD	14.131F	2221	W9FDX
5/9	ALGERIA	FA9GZ	21 F	--	W9ONY/M)
5/10	REUNION IDS	FR7ZB	21 CW	--	W9PQA
5/10	ARMENIA	UG6AW	14.112CW	2133	W9DYG
5/11	KERGUELEN IDS	FB8XX	14.040CW	1007	W9FDX
5/11	TADZHIK	UJ8AG	14.080CW	0855	W9QYW
5/12	SARAWAK	VS4JT	14.310SSB	0733	W9OMZ
5/15	GHANA	9G1CS	14.051CW	1835	W9QYW-DYG
5/22	MONGOLIA	JT1AA	21.134CW	0720	K9ENB-DYG
5/24	MOLDIVIA	UO5PK	14.060CW	2240	(K9CJK-YZG)
5/24	CHANNEL IDS	GC3AAE	14.080CW	2315	W9KQD)
5/27	ST HELENA	ZD7SA-C	14.149F	2151	W9FDX-OMZ)
5/28	SPITZENBERG	SM8AQT/LA/P	14.053CW	1549	W9DYG)
6/5	FR. SOM.	FL8AC	21.210F	1630	W9ONY/M)
6/8	AZORE IDS	CT2AB	14.020CW	1730	(W9YZG-CJK)

"ON THE SIDE"

MID YEAR MRAC DXCC STANDINGS (12 DXCC MEMBERS)

CW/FONE

W9FDX	242 (W)	233 (C)	W9ROM	92 (W)	78 (C)
W9GIL	225	220	W9IDG	80	55
W9DYG	197	185	W9YZG	80	53
W9KRP	190	185	K9CJK	91	45
K9CAN	185	136	K9ENB	53	35
W9PQA	166	136	W9ONY/M	45	35
W9VOD	-	124	W9DGB	40	28
W9OMZ	156	114	K9JZE	40	16
W9QYW	148	108	FONE ONLY		
W9AMM	115	106	W9FDX	203 (W)	193 (C)
W9YQG	126	102	W9PQA	140	110
W9UDK	115	102	W9VQG	124	101
W9CAS	108	97	W9GPI	103	97
W9RH	108	97	W9AMM	101	90
W9KQD	104	92	DXCC		
			S.S.B. ONLY		
			W9GPI	102 (W)	80 (C)

ON THE SIDE, Cont'd.

MRAC Traffic Report:

State Nets: Ben 3950 KC/S Daily 6 P.M. - WIN 3535 KC/S Daily 7 P.M.
WSN (Slow Speed Net) 3620 KC/S Monday thru Friday 6:30 P.M.

MRAC Members TFC Totals:

	<u>APRIL</u>		<u>MAY</u>
K9GDF	(557 BPL	K9GDF	744 BPL
W9DYG	75	W9DYG	60
K9DTK	37	W9SAA	46
W9SIZ	17	K9DTK	31
W9GIL	4	W9VHP	16
		W9GIL	2
		W9SIZ	2

TFC Notes: 3 MRAC members are NCS's on WIN, W9DYG-Tues., W9SIZ-Wed., and K9GDF on Fri. Lets hear from more of you on TFC Totals and TFC Topics.

The latest DX and Activities Meeting was held at W9KQD's, Don Gross QTH with 13 members in attendance. After looking over Don's FB attic shack, the gang discussed DX, our MRAC country check list, field day and our next meeting. Don's XYL, Jane, served a delicious lunch and plenty of coffee to close the evening.

New year this issue finds W9PQA tuning a new NC300 and W9QYW hearing 'em on a 75A2. The Scarvaci's W9GIL and K9CAN now have their Fri Bander on top of a 50 foot crank up tower. The tower and bean raising party included W9QYW, ROM, FDX, GIL and K9CJK and CAN. W9RH, Emil is putting up a Tri Bander labeled Hi Gain and K9JZE is knocking 'em off with a 20 Meter Telerex 3 el job.

"Brother Ham" sez the best way to raise a family of hams is via an elevator. He also quotes the fact , that the way some guys operate, they sure make it difficult, but with a little more effort they cud make it "impossible".

Hope you all have a real nice summer and find time to get your rigs and beams ready for the Fall "SS" and coming Winter DX.

73,
W9DYG

SWEEPSTAKES 1957 ALA MRAC

The sun has long ago set on the '57 SS; the blistered fingers and sore "backs", have had more than enough time to heal. The official results are now also history and to the 40 MRAC members who annexed a whopping total of 1,369,688 points, and brought the club into 4th Place nationally, goes a great big TNX.

The official results show that Loren Ashwood, W9PQA, not only led the club in the phone section, but also "miked" himself into a Wis Section Certificate. In the CW Section, Fred Borcherdt, W9DYG, and Geo Zurbachen, W9UDK, went at it, tooth and nail, and when the smoke had cleared away, Fred was lucky enough to have won by a scant 3000 points. The competition was also very keen for the antenna scope donated by Jack Doyle, W9GPI, for the highest score made by a club member in his 1st SS, with Lance Kaufman, K9CNE, finally winning